BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of the work: **Estimate for Construction of Culverts in Ward No. 10 (Doddabommasandra), Vidyaranyapura Sub Division.**

Estimate Cost: 1000000.00

Sl No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. **Page No. 142 / Item No. 19.1 / PWD SR 2016-17**	Cum							
	Culvert		10	5.00	2.00	1.05	105.00		
	Basic Rate	82.00					**105.00**	208.93	**21937.00**
	AD-HOC @ 11% of PWD SR 2016-17	9.02							
	Add loading and unloading Charges **It No 17.1 KSRRB M 100-1**	68.00							
	Average weight of earth 1.28 tonne / kg for 11.90 Km = 1.28 T X 11.90Km X 2.5 Tonne / km = 38.08	38.08							
		197.10							
	Area Weightage @ 6%	11.83							
	Total	**208.93**							
2	KSRB 4-1.3 : Providing and laying in position plain cement concrete of **mix 1:4:8 with OPC cement @ 180 kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1.4.2 **No. 12 / Item No. 4.3 / PWD SR 2016-17**	Cum							
	Bottom Concrete		10	5.00	2.00	0.15	15.00		
	Basic Rate	4867.00					**15.00**	5726.51	**85898.00**
	AD-HOC @ 11% of PWD SR 2016-17	535.37							
	Sub Total	**5402.37**							
	Area Weightage @ 6%	324.14							
	Total	**5726.51**							
3	KSRB 5.2.3 : Providing and constructing granite / trap / basalt size stone masonry in **foundation with cement mortar 1:6**, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 **Page No. 23 / Item No. 5.6 / PWD SR 2016-17**	Cum							
			10x2	5.00	0.60	0.90	54.00		
	Basic Rate	4187.00					**54.00**	4926.42	**266027.00**
	AD-HOC @ 11% of PWD SR 2016-17	460.57							
	Sub Total	**4647.57**							
	Area Weightage @ 6%	278.85							
	Total	**4926.42**							

Sl No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
4	KSRB 15.1.2: Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:4, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. **Page No. 113 / Item No. 15.2 / PWD SR 2016-17**	Sqm							
			10x2	5.00		0.90	90.00		
	Basic Rate	95.00					**90.00**	111.78	**10060.00**
	AD-HOC @ 11% of PWD SR 2016-17	10.45							
	Sub Total	**105.45**							
	Area Weightage @ 6%	6.33							
	Total	**111.78**							
5	KSRB 4-1.6 : Providing and laying in position plain cement concrete of **mix 1:2:4 with cement @ 240 kgs with 20mm** and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.53 cum, machine mixed, concrete laid in layers not exceeding 15cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification No. KBS 4.1.4.2 **No. 12/ Item No. 4.6 / PWD SR 2016-17**	Cum							
	Pointing		10	5.00	1.80	0.18	9.00		
	Ramp		10x2	5.00	0.90	0.15	13.50		
	Basic Rate	5441.00					**22.50**	6401.88	**144042.00**
	AD-HOC @ 11% of PWD SR 2016-17	598.51							
	Sub Total	6039.51							
	Area Weightage @ 6%	362.37							
	Total	6401.88							
6	Providing **precast slab of 250mm thick** including cost of all materials, labour, curing, transportation, loading, unloading, etc.,complete as per the direction of engineer in charge - Data rate	Sqm	10	5.00	1.80		90.00		
	Basic Rate	5125.00					**90.00**	5125.00	**461250.00**
	Sub Total								989214
	Third Party Inspection Charges @ 1%								9892.00
	Miscellaneous and other Charges								894.00
								Total	1000000.00
	Rupees Ten Lakh(s) Only								

ADMINISTRATIVE APPROVAL
Accorded For Rs. Ten lakhs only
Head of A/c. P-1771
Div. Ref. No. 190/13-18 Date. 17/02/18
AE 17/02
EE(BTP) 18/02

TECHNICAL SANCTION
Accorded For Rs. Ten lakhs only
Head of A/c. P-1771
Div. Ref. No. 190/13-18 Date. 17/02/18
AE
EE(BTP) 17/02

CERTIFICATE:

1. The work spot has been inspected and the work is found necessary.
2. This estimate is prepared as per PWD SR of 2016-17.
3. This work included under 2017-18 POW Grant.
4. The provisions were made in this estimate are necessary and adequate.
5. This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 10

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

Executive Engineer 17/02
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division
17/02